CONTENTS OF VOLUME 2

No. 1

PAGE

P. V. Danckwerts : Continuous flow systems. Distribution of residence times 1
F. H. Garner, S. R. M. Ellis and U. N. G. Roy : Extraction of acetic acid from water, I. Benzene-acetic acid-water 14
G. H. Roper : The absorption of chlorine from air by solutions of 2-ethyl hexene-1 in carbon tetrachloride 18
G. H. Roper : The kinetics of the addition of chlorine to olefins in carbon tetrachloride 27
E. A. Jones and L. W. J. Loveless : Overall heat flux values from condensing steam to boiling liquid 32
H. Kramers, G. M. Baars and W. H. Knoll : A comparative study on the rate of mixing in stirred tanks 35
Book Reviews 43

No. 2

P. W. Pfeiffer : A graphical method for calculating ion exchange columns 45
Percy Meyer : A rapid method of approach to complex distillation problems 53
C. Boelhouwer, M. A. Hoolboom, J. N. J. Perquin and H. I. Waterman : The catalytic destructive hydrogenation of paraffin wax 69
J. A. Zeegers : A graphical method of calculating ion-exchange processes 74
K. Rietema : Stabilizing effects in compressible filter cakes 88
Book Reviews 95

No. 3

P. M. Heertjes, H. G. J. de Boer and A. H. de Haas van Dorsser : Temperature and humidity measurements in a drying fluidized bed 97
M. M. Haruni and J. Anderson Storrow : Hydroextraction V : Radial distribution of pressure in homogeneous and banded cakes 108
Norbert, V. Ibl and Barnett F. Dodge : Note on the Duhem equation 120
R. C. Cairns : The condensation of vapour from gas-vapour mixtures 127
W. C. van Zijll Langhout and H. I. Waterman : Sulphur compounds in mineral oils 139
Book Reviews 144

No. 4

D. W. van Krevelen and P. J. Hoftyzer : Graphical design of gas-liquid reactors 145
F. H. Garner and A. R. Hale : The effect of surface active agents in liquid extraction processes 157
M. M. Haruni and J. Anderson Storrow : Hydroextraction VI : The effect of cake shape . . 164
H. Kramers and G. Alberda : Frequency response analysis of continuous flow systems 173
J. P. Fortuin and H. I. Waterman : Production of phenol from cumene 182

No. 5

PAGE

J. Cathala : Fundamental concepts in chemical engineering 193
W. Jost : On a problem of diffusion and simultaneous gas flow 199
M. M. Haruni and J. Anderson Storrow : Hydroextraction VII : Residual moisture in whizzed cakes 203
V. R. Leclerc : Le réacteur étagé – outil fondamental de Génie Chimique 213
A. Delzenne : Etudes d'equilibres liquide-vapeur, 2 220
Book Reviews 229

No. 6

M. Letort and R. Magrone : De l'importance de la porosité fine du carbone sur sa vitesse de combustion 233
R. Blumberg and J. S. Maritz : Mixing of solid particles 240
G. H. Roper : The absorption of chlorine from air by solutions of olefins and iodine in carbon tetrachloride 247
D. F. Kelsall : A further study of the hydraulic cyclone 254
J. Cathala : Fluidization and the research methods of chemical engineering science 273
F. H. Garner and S. R. M. Ellis : Extraction of acetic acid from water 282
Book Review 287

VOL. 2 1953

Author Index

(B) denotes book review

Alberda, G. 173.
Baars, G. M. 35.
Blumberg, R. 240.
Boelhouwer, M. A. 69.
Boer, G. J. de 97.
Buiten, J. 95 (B).
Cairns, R. C. 127.
Cathala, J. 193, 273.
Danckwerts, P. V. 1.
Delzenne, A. 220.
Dodge, Barnett F. 120.
Ellis, S. R. M. 14.
Fortuin, J. P. 182.
Garner, F. H. 14, 157, 283.
Gray, P. 230 (B), 231 (B).
Haas van Dorsser, A. H. de 97.
Hale, A. R. 157.
Haringhuizen, 43 (B).
Haruni, M. M. 108, 164, 203.
Haszeldine, R. N. 288.
Heerden, C. v. 229 (B).
Heertjes, P. M. 97.
Hoftyzer, P. J. 145.
Hoolboom, J. N. J. 69.
Ibl, N. V. 120.
Jones, E. A. 32.
Jost, W. 199.
Kelsall, D. F. 254.
Knoll, W. H. 35.
Kramers, H. 35, 173.
Krevelen, D. W. van. 145.
Langhout, W. C. van Zijll 135.
Leclerc, V. R. 213.
Letort, M. 233.
Loon, W. van 144 (B).
Loveless, L. W. J. 32.
Magrone, R. 233.
Maritz, J. S. 240.
Medard, L. 43 (B).
Meyer, P. 53.
Perquin, J. N. J. 69.
Pfeiffer, P. W. 45.
Poitier, A. 229.
Richardson, J. F. 230 (B).
Rietema, K. 88.
Robertson, R. H. S. 232 (B).
Roper, G. H. 18, 27, 247.
Roy, U. N. G. 14.
Storrow, J. Anderson 108, 164, 203.
Thewlis, J. 44 (B).
Waterman, H. I. 69, 96, 139, 182, 230 (B).
Wijk, W. R. van. 44 (B).
Zeegers, J. A. 74.

OL.
2
953